

# EUROPEAN PATENT OFFICE

## Patent Abstracts of Japan

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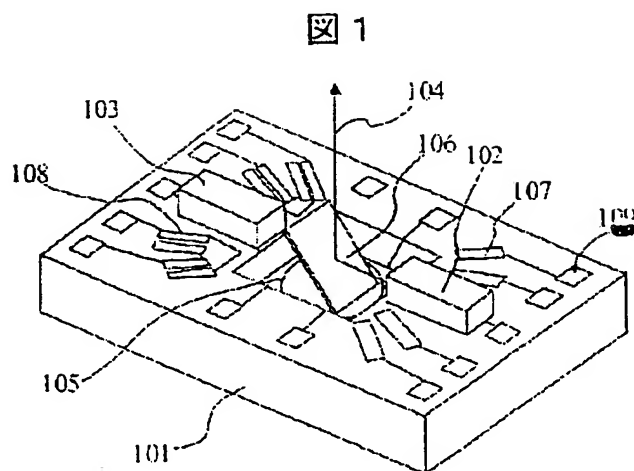
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TITLE : LASER MODULE AND OPTICAL  
INFORMATION PROCESSOR



ABSTRACT : PROBLEM TO BE SOLVED: To prevent the occurrence of aberration caused by oblique incidence from at least one of two semiconductor laser chips in a two-wavelength laser module in which the two semiconductor laser chips with different wavelengths are integrated in a single package.

SOLUTION: A micromachine rotating stage 105 having a 45° mirror 106 mounted thereon is formed on a silicon substrate 101 while being integrated with two semiconductor lasers 102 and 103 and an optical sensor, the micromachine rotating stage is rotated, and a laser beam with a necessary wavelength is selected and is raised by 90°. Therefore, it is possible to conform the optical axes of the two wavelengths to each other and to suppress increase in aberration of an objective lens.

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